Mitsuo TAKAHASHI et al
OPTICAL ATTENUATOR
Filed: January 31, 2002 Attorney Docket: 31721-178050
1 of 3

FIG. 1

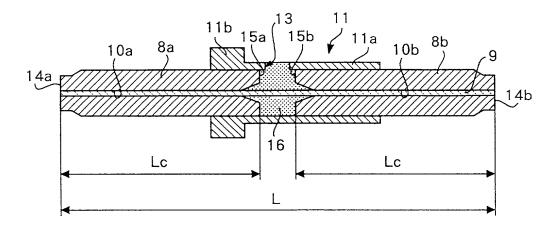


FIG. 2

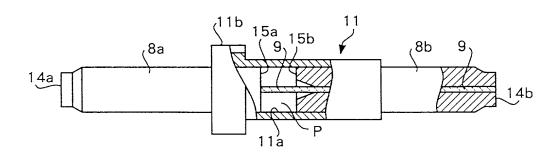
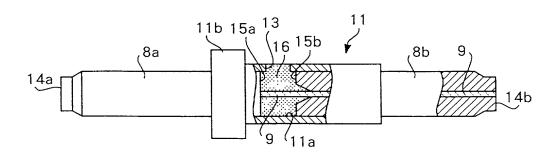


FIG. 3



Filed: January 31, 2002 Attorney Docket: 31721-178050

2 of 3

FIG. 4

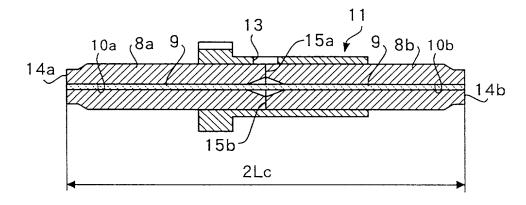
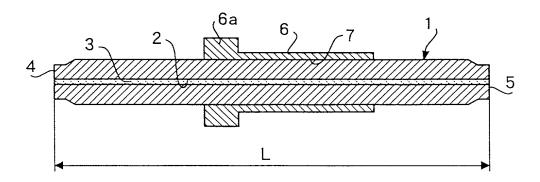


FIG. 6

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(PRIOR ART)

Mitsuo TAKAHASHI et al OPTICAL ATTENUATOR

Filed: January 31, 2002 Attorney Docket: 31721-178050 3 of 3

Test items	Test conditions	Criteria	1st Embodiment	2nd Embodiment	3rd Embodiment
Environmental		1 to 10 dB			
characteristics					
Hot shelving	at 85°C for 240 hours	≦±0.5 dB	A	A	<b>A</b>
Cold shelving	at -40°C for 240 hours	≦±0.5 dB	A	A	A
Shelving in humidity	at 90% at 40°C for 240 hours	≤±0.5 dB	A	A	<b>V</b>
Shelving in humidity				•	•
at temperature	-10°C to 60°C	≤±0.5 dB	∢	¥.	∢
varying in a range					
	14 cycles each at humidity	A+0 5 GB	٨	∢	∢
Humidity cycle test	varying from 0% to 90%				
tagt glovy tool	21 cycles each at temperature	≤±0.5 dB	4	4	∢
וופשו האחש ופאו	varying from -40°C to 85°C				
Mechanical		≤±0.5 dB	A	A	∢
characteristics					
L	5 cycles each in 3 directions from	no disconnection	Φ.	∢	ت ن
raii down test	1.8-meter high, 8 times in each direction	ilo alcocimicono	(2/20 unsatisfactory)		(20/20 unsatisfactory)
	20 cycles each at frequency varying	no disconnoction	4	۷	m
Vibration test	from 10 to 50 Hz (Amplitude: 1.52 mm)	IIO discollitection	ζ		(2/20 unsatisfactory)